

Title (en)
Magnetic centring device

Title (de)
Magnetische Zentriervorrichtung

Title (fr)
Dispositif de centrage magnétique

Publication
EP 2887153 B1 20230628 (FR)

Application
EP 13198643 A 20131219

Priority
EP 13198643 A 20131219

Abstract (en)
[origin: CN104730906A] Magnetic centring device (2) for micromechanical applications, including a magnet (6) and a magnetic flux conduction device (4) arranged on the magnet, the magnetic flux conduction device including a central magnetic flux conduction disc (8) made of a magnetic material (M1) having high magnetic permeability, and a peripheral area arranged around the central disc and separated from the central disc by a non-zero distance (R10).

IPC 8 full level
G04B 17/32 (2006.01); **F16C 32/04** (2006.01); **G04B 31/00** (2006.01)

CPC (source: EP US)
F16C 32/0414 (2013.01 - EP US); **G04B 17/32** (2013.01 - EP US); **G04B 31/00** (2013.01 - EP US); **G04B 31/004** (2013.01 - EP US); **G04C 5/005** (2013.01 - US); **F16C 32/0408** (2013.01 - EP US); **F16C 2370/00** (2013.01 - EP US)

Cited by
EP3106934A1; EP3489768A1; EP3489767A1; CN109839812A; US11150607B2; US9690256B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2887153 A1 20150624; EP 2887153 B1 20230628; CH 709005 A2 20150630; CN 104730906 A 20150624; CN 104730906 B 20170929; HK 1212477 A1 20160610; JP 2015118085 A 20150625; JP 5970528 B2 20160817; US 2015177695 A1 20150625; US 9727026 B2 20170808

DOCDB simple family (application)
EP 13198643 A 20131219; CH 21082013 A 20131219; CN 201410785838 A 20141218; HK 15112580 A 20151222; JP 2014247659 A 20141208; US 201414526864 A 20141029